

# Underground Location Systems (ULS) Ltd

7D Wendover Rd., Rackheath Ind. Est., Norwich, NR13 6LH U.K.  
Tel: +44 (0)1603 559006 [www.correlators.co.uk](http://www.correlators.co.uk) email: [correlators@dsl.pipex.com](mailto:correlators@dsl.pipex.com)

## SERVICE PRICE LIST October 2014

To enable customers to plan their service and calibration requirements, our charges have been standardised to **include the minor repairs and parts** that may be required to enable a full calibration to be made. The full service that we offer is detailed below.

### **what's included:**

full system clean-up  
most repairs and parts as necessary  
full radio transmitter realignment  
full radio receiver realignment  
full frequency response check of radio and correlator system  
correlation time delay accuracy check  
accelerometer sensitivity and frequency response check  
battery charge rate check and charger safety test  
battery capacity/ condition check  
test and repair all connecting leads and ancillary equipment  
issue of service report and calibration certificate

### **2 Week Turn Around**

As well as the checks on the equipment functions and time delay accuracy, the calibration itself is primarily of the radio telemetry system receivers and transmitters. This is vital in obtaining good results from the equipment as well as ensuring compliance with the radio transmission legislation. This is especially important as some manufacturers use radio frequencies at the very edge of the permitted band and any drift can cause illegal and inefficient operation.

The calibration runs for 12 months from the date of adjustment. Experience has shown that correlator performance may deteriorate and radio links probably require adjustment after this time as well as the vital checks to be made on accelerometer sensor sensitivity, connecting cables and general repairs from a year 'in the field'.

**The cost of this is standardised to cover all makes and models of equipment £315.00 inclusive of most parts and labour. Rechargeable batteries, physical damage and major component failure are not included**

**In addition to the above, we are usually able to be very competitive on the supply of major spare parts, accelerometer sensors, aerials etc for most manufacturers equipment. Please see our separate list.**

Battery costs vary with equipment types:

Aquacorr correlator fast charge Nicad battery pack **£66.00**

Aquacorr transmitter fast charge NiCad battery packs **£86.00**

Primayer Eureka correlator NiMh batteries **£64.00**

Eureka transmitter NiMh batteries **£86.00**

Microcorr 12V SLA batteries (used in models 4 / 5 & 6) **£30.00**

Microcorr Digital Lithium batteries **£40.00 (two packs may be required in the correlator unit)**

MAST SLA Batteries **£22.00 each**

MAST II Li-Ion batteries **£78.00 each**

The above prices include fitting and charge circuitry set-up where required.

If a full service is not required then specific repairs can be made to individual items at a pro rata cost..... although it is often more cost effective to have the full service that usually includes such repairs. ***In the event of serious circuit failure or damage, part of the cost of any replacement components will be absorbed in this standard calibration charge***

Repair of leak noise correlator only, including minor repairs and parts and full functional checks, including frequency response, receiver alignment and time delay accuracy **£205.00**

Repair of radio transmitter/preamp unit only, including minor repairs and parts and full functional checks, including frequency response and RF alignment. **£85.00**

Accelerometer sensors are welded construction stainless steel units that are not generally repairable. Depending upon type, the cables, connectors and integral preamplifiers may be repairable **£35.00**

Ground Microphone and amplifier full system service, repair and calibration, including minor repairs and parts as necessary **£165.00**

MAST and MAST II repair and calibration **£225.00**

**Return by overnight courier is not included in the above prices, part of this cost will be charged to you.**

**All prices are subject to VAT where applicable**

We are continuing with our 'personal service' and look forward to working with you to keep your correlation equipment maintained and effective in the future. If you have any queries, please contact me

**Rory Williams**

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## SPARES & REPAIRS PRICE LIST October 2014 2 WEEK TURN AROUND

- Aquacorr replacement headphones **£48.00**
- Aquacorr accelerometer sensors (inc. armoured lead, shroud & magnet) **£390.00**
- Aquacorr accelerometer replacement sensor only **£295.00**
- Aquacorr Correlator unit replacement Ni-Cad battery pack **£66.00**  
Aquacorr Transmitter unit replacement Ni-Cad battery pack **£86.00**
- Aquacorr mains powered battery charger (built to special order) **£275.00**
- Aquacorr original battery charger repair with new PSU fitted **£115.00**
- Aquacorr vehicle powered (12V) battery charge lead **£45.00**
- Primayer Eureka 2 accelerometer sensor C/W lead/shroud and magnet **£375.00**
- Primayer Eureka Correlator unit replacement Ni-MH battery pack **£64.00**  
Primayer Eureka Transmitter unit replacement Ni-MH battery pack **£86.00**
- Transmitter aerials High gain **£26.00** (suitable for all systems)
- Correlator receiver aerials (with elbow connector if required) **£15.00** (all systems)
- Microcorr 12V SLA batteries (all models) **£30.00**  
Microcorr Digital Li-Ion battery packs **£38.00** Echologics battery packs **£58.00**
- MAST 12V SLA batteries **£22.00** MAST II Li-Ion Batteries **£78.00**  
Microcorr Headphones (not Beyer) **£28.00**
- Microcorr Accelerometer early passive type **£220.00 (+ lead £20.00 if required)**
- Microcorr Accelerometer later active type **£240.00 (+ lead £20.00 if required)**
- Microcorr plug-in mains powered battery charger **£155.00** (with integral leads)
- Microcorr (for 4/5 or 6) replacement charge leads **£60.00** set of 3
- Microcorr replacement correlator charge lead **£20.00**
- Microcorr replacement transmitter charge lead **£22.00**
- Microcorr7 replacement vehicle charge lead **£34.00**
- Palmer MK4 or MK5 Ground Microphone system Cyclon battery pack **£45.00**
- Other small 'running repairs' plugs/cables etc as required from **£35.00**  
**All prices are subject to VAT where applicable**